ABSTRACT OF THE DISCLOSURE

The invention aims to provide, in order to prevent dishonest operations associated with leakage of authentication data, and leakage of data that is information assets, a peripheral device for a programmable

5   logic controller, that does not require to give out the content of data and authentication data to a user of the peripheral device.

A peripheral device for a programmable logic controller 1 includes: an encryption means 10 for encrypting peripheral device authentication data 16 used in authentication for authorizing use of the peripheral device 8

10   itself, encrypting data 4 used in the programmable logic controller, and encrypting authentication data 3 that is established in the programmable logic controller 1 and that verifies whether or not communication with the programmable logic controller is authorized for the data 4; an external storage means 15 for storing at least peripheral device authentication data

15   16 having been encrypted; an internal storage means 11 for storing at least peripheral device authentication data 17 having been encrypted; a decryption means 12 for decrypting the peripheral device authentication data 16, the data 14, and the authentication data 3; and a verification means for determining whether or not use of the peripheral device 8 for the

20   programmable logic controller 1 is authorized, by checking peripheral device authentication data 16 read out from the external storage means 15 and decrypted, against peripheral device authentication data 16 read out from the internal storage means 11 and decrypted.